



Revision number: 1

Purchasing Agent: Terri O'Toole

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Item: AIR FILTERS/FILTER MEDIA

Vendor: 91611A Airpure Filter Sales
729 West 1700 South
Salt Lake City, UT 84104

Internet Homepage: www.precisionaire.com

Contact: Jerry Johnson
Telephone: (801) 973-2221
Toll Free: 877-999-7357

Fax number: (801) 973-2202
Email address: mbowman@email.precisionaire.com

Brand/trade name: FLANDERS/PRECISIONAIRE

Price: See attached price list
Terms: None
Effective dates: 11/01/04 through 10/31/07
Days required for delivery:
Price guarantee period: 2 Years
Minimum order: None
Min shipment without charges: None
Other conditions: Two 1-year renewal options remaining.

| |
|---|
| Revision #1: Contract extended an additional year. |
|---|

BID NO. RF5905

This contract covers only those items listed in the price schedule. It is the responsibility of the agency to ensure that other items purchased are invoiced separately. State agencies will place orders directly with the vendor creating a DO in Finet. Agencies will return to the vendor any invoice which reflects incorrect pricing.



FILTERS AND FILTER MEDIA

Contract Information:

Purpose: The purpose of this contract is to establish a cost effective means for the purchase of various air filters and filter media used by state agencies and political subdivisions within the State of Utah. And, if desired, to cover labor costs of the contractor associated with the removal and installation of replacement filters.

Contract Coverage:

Products/Services covered by this contract are NOT restricted solely to those specifically listed therein. Any filter or filter media used to capture air-borne particulate matter is intended to be covered by this contract including custom-made non-standard filters. Materials intended to condition air, such as cooler pads, and miscellaneous items like holding frames that are directly tied to the holding and securing of filters or filter media in-place are also intended to be covered. The contract also covers labor costs associated with the removal and installation of air filters or media, if desired by the ordering entity. Products/Services NOT covered by this solicitation include: air handling, filtering or conditioning equipment; equipment parts, servicing or repairs of equipment; the purchase of any measuring gauges or instrumentation; and any filter, filter media, labor and filtering equipment associated with the filtration of particulate matter from fluids.

Contract Features:

- A. The contract is divided into eight (8) sections representing approx. 80% of filters and filter media purchased historically by state agencies and political subdivisions. Each section describes the minimum construction and performance specifications of the filters.
- B. Higher usage filters are listed by size with a unit labor cost for "Installed" filters. Ordering entities may find this option to be a cost-effective way to minimize internal labor requirements associated with load testing and change out.
- C. All standard size filters not specifically mentioned in this contract are covered. Prices are calculated by a percentage discount from the published list price. Price lists can be obtained directly from the contract holder.
- D. The contract also covers special non-standard sized filters. Special filter prices can be calculated by multiplying the contract square inch price by the gross area of the special filter desired.
- E. The contractor has the ability to manufacture filters in-house and on-demand in both standard and non-standard sizes. Additional cost for this service may be charged.
- F. The contractor has provided to the State certificates of insurance covering liability, products completed, personal injury, fire, medical expenses and worker's compensation. Copies of these certificates are available by contacting the Division of Purchasing.
- G. The contractor agrees to dispatch trained service personnel for the purposes of removing and installing filters on an "as required" basis within 24 hours of request. The contractor agrees to dispatch personnel who are uniformed and display the company logo; are well-groomed; wear proper eye protection, footwear and respirators.
- H. The contractor agrees that where filter change-outs are requested, they will occur at intervals recommended by the manufacturer only after maximum loading has been established. Loading will be determined by use of a magnahelic gauge. Contractor agrees to maintain appropriate logs for inspection and audit purposes.
- I. When requested, contractor agrees to provide portable magnahelic gauges to ordering entity service personnel.
- J. All contract prices include freight, shipping and/or delivery charges statewide regardless of ordering quantity or dollar volume.

**FILTERS AND FILTER MEDIA****SECTION 1****DISPOSABLE PANEL FILTERS****FIBERGLASS MEDIA W/METAL GRILLES**

Media: Designed for heavy duty applications. Continuous filament glass fibers bonded with a thermo setting agent. Formed in a graded density pattern for maximum life and minimum surface loading. Fibers adhesive treated for maximum dirt retention.

Frame: Rugged fiberbond frame closed at all corners and edges to prevent separation. 28ga. metal grilles attached internally front and back. Printed with size and airflow direction indicator.

Performance: Filters classified U.L. Class 2. Tested to U.L. Standard 900. Based on ASHRAE Standard 52.1, 1992: Initial Resistance at 100% R.A.F. - .40" W.G. for 1" filter, .08" W.G. for 2" filter. Average Arrestance - 72% for 1", 82% for 2" Minimum Rated Velocity - 300 FPM. Final Resistance - .50" W.G.

BRAND

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PRICE LIST**EFFECTIVE DATE**

11/15/04

| ITEM | MODEL | STANDARD SIZE | PRICE/EA. | PRICE/EA. INSTALLED |
|------|-------|---------------|-----------|------------------------|
| 1 | 10255 | 10X30X1 | \$0.68 | \$1.20 |
| 2 | 10255 | 12X25X1 | \$0.68 | \$1.20 |
| 3 | 10255 | 16X20X1 | \$0.66 | \$1.20 |
| 4 | 10255 | 16X25X1 | \$0.66 | \$1.20 |
| 5 | 10255 | 20X20X1 | \$0.66 | \$1.20 |
| 6 | 10255 | 16X20X2 | \$0.92 | \$1.62 |
| 7 | 10255 | 16X25X2 | \$0.92 | \$1.62 |
| 8 | 10255 | 20X20X2 | \$0.92 | \$1.62 |
| 9 | 10255 | 20X25X2 | \$1.00 | \$1.70 |
| 10 | 10255 | 24X24X2 | \$1.13 | \$1.83 |

All standard sizes not listed above available at **68%** off non-installed list price.

Special Sizes-Single Filter-Not Installed

| | GROSS (SQ. INCHES) | ½" TO 1" THICK PRICE/SQ. IN. | 2" THICK PRICE/SQ. IN. |
|-------|--------------------|---------------------------------|---------------------------|
| SFG-D | 250 TO 299 | \$.0046 | \$.006 |
| SFG-D | 300 TO 399 | \$.004 | \$.005 |
| SFG-D | 400 TO 499 | \$.003 | \$.0045 |
| | | | |



| | | | |
|-------|------------|---------|---------|
| SFG-D | 500 TO 599 | \$.003 | \$.004 |
| SFG-D | 600 TO 699 | \$.0026 | \$.0037 |

SECTION 2**DISPOSABLE PANEL FILTERS****POLY MEDIA W/METAL GRILLES**

Media: Designed for heavy duty applications. Continuous polyester fibers at minimum of 10oz. per square yard and bonded with a thermo setting agent. Formed in a graded density pattern for maximum life and minimum surface loading. Fibers adhesive treated for maximum dirt retention.

Frame: Rugged fiberboard frame closed at all corners and edges to prevent separation. 28 ga. metal grilles attached internally front and back. Printed with size and airflow direction indicator.

Performance: Filters classified U.L. Class 2; Tested to U.L. Standard 900. Based on ASHRAE Standard 52.1, 1992: Initial Resistance at 100% R.A.F. - .04" W.G. for 1" filter, .08" W.G. for 2" filter. Average Arrestance: 84% for 1", 89% for 2". Minimum Rated Velocity - 300 FPM. Final Resistance: .50" W.G.

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PRICE LIST**EFFECTIVE DATE**

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| ITEM | MODEL | STANDARD SIZE | PRICE EA. | PRICE EA. INSTALLED |
|------|-------|---------------|-----------|------------------------|
| 1 | 11255 | 16X20X1 | \$0.72 | \$1.37 |
| 2 | 11255 | 16X25X1 | \$0.72 | \$1.37 |
| 3 | 11255 | 20X20X1 | \$0.72 | \$1.37 |
| 4 | 11255 | 20X25X1 | \$0.77 | \$1.42 |
| 5 | 11255 | 12X24X2 | \$1.00 | \$1.65 |
| 6 | 11255 | 16X20X2 | \$1.00 | \$1.65 |
| 7 | 11255 | 16X25X2 | \$1.00 | \$1.65 |
| 8 | 11255 | 20X20X2 | \$1.00 | \$1.65 |
| 9 | 11255 | 20X25X2 | \$1.09 | \$1.74 |
| 10 | 11255 | 24X24X2 | \$1.23 | \$1.88 |

All standard sizes not listed above available at **65%** off non-installed list price.

Special Sizes - Single Filter - Not Installed

| | GROSS AREA (SQ. INCHES) | ½" TO 1" THICK PRICE/SQ.IN. | 2" THICK PRICE/SQ. IN. |
|-------|----------------------------|--------------------------------|------------------------|
| SPF-D | 250 TO 299 | \$.0052 | \$.0068 |
| SPF-D | 300 TO 399 | \$.004 | \$.0058 |
| SPF-D | 400 TO 499 | \$.003 | \$.0049 |
| | | | |



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|-------|------------|--------|---------|
| SPF-D | 500 TO 599 | \$.003 | \$.0044 |
| SPF-D | 600 TO 699 | \$.003 | \$.0043 |

SECTION 3**FLANDERS/PRECISIONAIRE TYPE PRE PLEAT 40HC
EXTENDED SURFACE PLEATED PANEL FILTERS**

Media: Pleated high-loft cotton and/or synthetic fiber blend. Fire retardant treated. Media area to face area ratios (per square foot): 1" - 2.1 sq. ft., 2" - 4.25 sq. ft., and 4" - 6.25 sq. ft.

Pleats: Formed by expanded galvanized steel, pleat support grid laminated to air leaving side of media. Air flow restriction of open area is to be no less than 95%.

Frame: Unitized double wall, heavy duty, moisture resistant die cut beverage board. Media pack support members on both sides. Individual die cut fingers to separate, stabilize and align pleats on 4" and 6" filters. Printed with size and airflow direction indicator.

Performance: Average efficiency - 25%; Average arrestance - 90%; Air flow velocity - 300 to 500 FPM at .25 W.G.; Dust holding capacity - > 180 grams; U.L Class 2 in accordance with U.L. Standard 900; Based on ASHRAE Standard 52.1, 1992; Performance tolerances conform to Section 7.4 of ARI Standard 850-93.

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| ITEM | MODEL | STANDARD SIZE | PRICE/EA. | PRICE EA. INSTALLED |
|------|-------|---------------|-----------|------------------------|
| 1 | 80255 | 10X20X1 | \$1.78 | \$2.43 |
| 2 | 80255 | 12X24X1 | \$1.97 | \$2.62 |
| 3 | 80255 | 14X20X1 | \$2.11 | \$2.76 |
| 4 | 80255 | 14X25X1 | \$2.04 | \$2.69 |
| 5 | 80255 | 16X20X1 | \$1.88 | \$2.53 |
| ITEM | MODEL | STANDARD SIZE | PRICE/EA. | PRICE EA. INSTALLED |
| 6 | 80255 | 16X25X1 | \$2.11 | \$2.76 |
| 7 | 80255 | 20X20X1 | \$2.11 | \$2.76 |
| 8 | 80255 | 20X25X1 | \$2.44 | \$3.09 |
| 9 | 80255 | 24X24X1 | \$2.55 | \$3.20 |
| 10 | 80255 | 12X24X2 | \$1.99 | \$2.64 |
| 11 | 80255 | 14X25X2 | \$2.39 | \$3.04 |
| 12 | 80255 | 16X20X2 | \$1.88 | \$2.53 |
| | | | | |



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|----|-------|---------|--------|--------|
| 13 | 80255 | 16X25X2 | \$2.16 | \$2.81 |
| 14 | 80255 | 18X24X2 | \$2.57 | \$3.22 |
| 15 | 80255 | 18X25X2 | \$2.57 | \$3.22 |
| 16 | 80255 | 20X20X2 | \$2.16 | \$2.81 |
| 17 | 80255 | 20X24X2 | \$2.58 | \$3.23 |
| 18 | 80255 | 20X25X2 | \$2.48 | \$3.13 |
| 19 | 80255 | 24X24X2 | \$2.84 | \$3.49 |
| 20 | 80255 | 12X24X4 | \$2.86 | \$3.56 |
| 21 | 80255 | 16X25X4 | \$3.34 | \$3.99 |
| 22 | 80255 | 20X20X4 | \$3.34 | \$3.99 |
| 23 | 80255 | 24X24X4 | \$4.34 | \$4.99 |

All standard sizes not listed above available at **65%** off non-installed list price.
Special Sizes - Single Filter - Not Installed

| | GROSS AREA (SQ. INCHES) | 1" THICK PRICE/SQ. IN. | 2" THICK PRICE SQ. IN. | 4" THICK PRICE SQ. IN. |
|--------|------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| SDP-40 | 250 TO 299 | \$.01 | \$.013 | \$.023 |
| SDP-40 | 400 TO 499 | \$.0089 | \$.01 | \$.019 |
| SDP-40 | 550 TO 599 | \$.007 | \$.0086 | \$.015 |

SECTION 4

FLANDERS/PRECISIONAIRE TYPE 62R EXTENDED SURFACE PLEATED PANEL FILTERS

Media: Pleated high-loft cotton and/or synthetic fiber blend. U.L. Class 2 fire retardant treated. Media area to face area ratios (per square foot): 1" - 2.1 sq. ft., 2" 4.25 sq. ft., and 4" - 6.25 sq. ft.

Pleats: Formed by expanded galvanized steel, pleat support grid laminated to air leaving side of media. Air flow restriction of open area is to be no less than 95%.

Frame: Unitized double wall, heavy duty, moisture resistant die cut beverage board. Media pack support members on both sides. Individual die cut fingers to separate, stabilize and align pleats on 4" and 6" filters. Printed with size and airflow direction indicator.

Performance: Average efficiency - 45%; Average arrestance - 95%; Air flow velocity - 300 to 500 FPM at .26 W.G; Dust holding capacity- > 180 grams; U.L Class 2 in accordance with U.L. Standard 900; Based on ASHRAE Standard 52.1, 1992; Performance tolerances conform to Section 7.4 of ARI Standard 850-93.

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| ITEM | MODEL | STANDARD SIZE | PRICE EA. | PRICE EA. INSTALLED |
|------|-------|---------------|-----------|---------------------|
| 1 | 85755 | 16X25X2 | \$2.32 | \$2.97 |
| 2 | 85755 | 20X25X2 | \$2.67 | \$3.32 |
| 3 | 85755 | 24X24X2 | \$3.07 | \$3.72 |
| 4 | 85755 | 24X24X4 | \$5.31 | \$5.96 |

All standard sizes are not listed above available at **65%** off non-installed price.
Special Sizes - Single Filter - Not Installed

| | GROSS AREA (SQ. IN.) | 2" THICK PRICE/SQ.IN. | 4" THICK PRICE/SQ.IN. |
|--------|----------------------|-----------------------|-----------------------|
| SDP-60 | 300 TO 349 | \$.009 | \$.015 |
| SDP-60 | 400 TO 449 | \$.0073 | \$.013 |

SECTION 5
**FLANDERS/PRECISIONAIRE Pre-Pleat 40MC
EXTENDED SURFACE PLEATED PANEL FILTERS**

Media: Pleated high-loft cotton and/or synthetic fiber blend. Fire retardant treated. Media area to face area ratios (per square foot): 1" - 1.6 sq. ft., 2" - 3 sq. ft., and 4" - 5 sq. ft.

Pleats: Formed by expanded galvanized steel, pleat support grid laminated to air leaving side of media. Air flow restriction of open area is to be no less than 95%.

Frame: Unitized double wall, heavy duty, moisture resistant die cut beverage board. Media pack support members on both sides. Individual die cut fingers to separate, stabilize and align pleats on 4" and 6" filters. Bottle-cap style face pieces in lieu of beverage board frame are not acceptable. Printed with size and airflow direction indicator.

Performance: Average efficiency - 25%; Average arrestance - 90%; Air flow velocity - 300 to 500 FPM at .25 W.G; Dust holding capacity - > 140 grams; U.L Class 2 in accordance with U.L. Standard 900; Based on ASHRAE Standard 52.1, 1992; Performance tolerances conform to Section 7.4 of ARI Standard 850-93.

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| ITEM | MODEL | STANDARD SIZE | PRICE/EA. | PRICE/EA. INSTALLED |
|------|-------|---------------|-----------|---------------------|
| 1 | 80055 | 12X24 X1 | 1.58 | 2.23 |
| 2 | 80055 | 16X20X1 | 1.50 | 2.15 |
| 3 | 80055 | 16X25X1 | 1.69 | 2.34 |
| 4 | 80055 | 20X20X1 | 1.69 | 2.34 |
| 5 | 80055 | 20X25X1 | 1.95 | 2.60 |



| | | | | |
|----|-------|---------|------|------|
| 6 | 80055 | 12X24X2 | 1.59 | 2.24 |
| 7 | 80055 | 16X20X2 | 1.51 | 2.16 |
| 8 | 80055 | 16X25X2 | 1.72 | 2.36 |
| 9 | 80055 | 20X20X2 | 1.72 | 2.36 |
| 10 | 80055 | 20X24X2 | 2.06 | 2.71 |
| 11 | 80055 | 20X25X2 | 1.98 | 2.63 |
| 12 | 80055 | 24X24X2 | 2.28 | 2.93 |
| 13 | 80055 | 25X25X2 | 2.74 | 3.39 |
| 14 | 80055 | 20X20X4 | 3.06 | 4.71 |
| 15 | 80055 | 20X25X4 | 3.56 | 4.21 |
| 16 | 80055 | 24X24X4 | 3.93 | 4.58 |

All standard sizes not listed above available at **65%** off non-installed list price.
Special Sizes - Single Filter - Not Installed

| | GROSS AREA (SQ. IN.) | 1" THICK PRICE/SQ. IN. | 2" THICK PRICE/SQ. IN. | 4" THICK PRICE/SQ. IN. |
|--------|---------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| SMX-40 | 150 TO 199 | \$.013 | \$.0145 | \$.025 |
| SMX-40 | 200 TO 249 | \$.011 | \$.013 | \$.023 |
| SMX-40 | 250 TO 299 | \$.011 | \$.013 | \$.023 |
| SMX-40 | 350 TO 399 | \$.0075 | \$.0096 | \$.016 |
| SMX-40 | 600 TO 749 | \$.0051 | \$.066 | \$.011 |

SECTION 6

FLANDERS/PRECISIONAIRE PRECISION PAK EXTENDED SURFACE PLEATED POCKET FILTERS

Media: Ultra fine fiberglass with a non-woven durable covering on air leaving side.

Pockets: Formed by measured stitching with open throat design. Sealed stitch lines and double lock stitched edges.
Pocket separators sealed to exterior (air leaving side) with a thermoplastic bead.

Frame: Rust resistant metal header and pleat dividers; Flush mitered corners and rolled edges.

Performance: In accordance with ASHRAE Standard 52.1, 1992. Performance tolerances conform to ARI Standard 850-84, section 7.4. See specific data below.

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| ITEM | MODEL | STANDARD SIZE | POCKETS | MEDIA AREA SQ. FT. | PRICE/EA. | PRICE/EA. INSTALLED |
|------------------------------------|-------|---------------|---------|--------------------|-----------|---------------------|
| 90-95% EFFICIENCY (88-90% AVERAGE) | | | | | | |
| 1 | PAP | 24X24X29 | 6 | 68 | \$17.75 | \$19.00 |
| 55-65% EFFICIENCY | | | | | | |
| 2 | PAP | 24X24X22 | 8 | 66 | \$13.30 | \$14.55 |
| 3 | PAP | 24X24X29 | 8 | 90 | \$14.60 | \$15.85 |
| 40-50% EFFICIENCY | | | | | | |
| 4 | PAP | 24X24X14 | 6 | 32 | \$10.02 | \$11.27 |
| 5 | PAP | 24X24X29 | 3 | 24 | \$8.49 | \$9.74 |
| 6 | PAP | 24X24X29 | 6 | 48 | \$12.88 | \$14.33 |

All standard sizes not listed above available at **70%** off non-installed list price.

SECTION 7

FLANDERS/PRECISIONAIRE FLOW CARTRIDGE

Media: Glass fibers formed into pleated pockets. Backed with nylon on air leaving side.

Performance: Average efficiency - 45%; Average arrestance - 96%; Air flow capacity - 2200 to 2500 CFM at .26 - .32 W.G. Dust holding capacity - 350 grams; Based on ASHRAE Standard 52.1, 1992.

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| ITEM | MODEL | STANDARD SIZE | PRICE/EA. | PRICE/EA. INSTALLED |
|------|--------|---------------|-----------|---------------------|
| 1 | PAP615 | 24X24X15 | \$7.50 | \$8.75 |
| 2 | PAP618 | 24X24X18 | \$7.75 | \$9.00 |

All standard sizes not listed above available at **70%** off non-installed list price.

AG SERIES

Media: Cotton and synthetic fiber blend formed into deep pleats and backed on air leaving side. Preformed and bonded and mechanically secured to frame.

Frame: Rigid fiberboard frame or side panel and wire retainer.

Performance: Average efficiency - 25-35%. Average arrestance: 90-92%. Air flow capacity: 1600 to 2500 CFM at .10 - .20 W.G. U.L. 900 Class 2; Based on ASHRAE Standard 52.76.

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| ITEM | MODEL | STANDARD SIZE | MEDIA AREA SQ. FT. | PRICE EA. | PRICE/EA. INSTALLED |
|------|---------|---------------|--------------------|-----------|---------------------|
| 1 | EA30A12 | 24X24X12 | 41.8 | \$6.03 | \$7.28 |

All standard sizes not listed above available at **70%** off non-installed list price.

SECTION 8

FLANDERS/PRECISIONAIRE RIGID-AIR

Media: Ultra fine high-loft glass fibers bonded to reinforcement backing on air leaving side. Formed and held into deep pleats with a metal support grid.

Frame: Galvanized steel. Sides flush with front and back face. Sealed over 100% of interior surface of cell side. Metal diagonal front and rear support members attached to air entering and air leaving sides of cell. Metal media Stabilizers.

Performance: Average efficiency - 90-95%. Average arrestance: 99%. Air flow capacity: 2000 CFM at .68 W.G. U.L. Class 2; Based on ASHRAE Standard 52.1, 1992; Performance tolerance to Section 7.4 of ARI Standard 850-84.

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| ITEM | MODEL | STANDARD SIZE | MEDIA AREA SQ. FT. | PRICE/EA. | PRICE/EA. INSTALLED |
|------|-------|---------------|--------------------|-----------|---------------------|
| 1 | PRP | 24X24X12 | 58 | \$29.57 | \$31.57 |

All standard sizes not listed above available at **70%** off non-installed list price.

*THIS CONTRACT RESULTED FROM BID# RF5905 DATED 11/16/04.

FINET COMMODITY CODE(S): FOR AGENCY USE ONLY

03145000000 - FILTERS, AIR CONDITIONING/FURNACE (DISPOSABLE TYPES)

03145130000 - FILTERS, AIR CONDITIONING, FIBERGLASS, DISPOSABLE

03145140000 - FILTER, AUTOMATIC ROLL, FIBERGLASS MEDIA, ADHESIVE COATED, SCRIM
BACKING, WITH CORE TO FIT AIRMAZE ROLL A MAZE SYSTEMS

03146000000 - FILTERS AND FILTER MEDIA, EVAPORATIVE COOLER

34505000000 - ASBESTOS ABATEMENT EQUIPMENT AND SUPPLIES

63520300000 - FILTER PADS, PAINT ARRESTER

REVISION HISTORY:

Revision #1: Contract extended an additional year.